

(a) mating a male and a female animal of the same species wherein at least one of said animals is positive for a human-tropic PERV-locus whereby said mating produces offspring; and

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Cmt
(b) screening said offspring for the presence of said human-tropic PERV and selecting offspring free of human-tropic PERV, thereby producing a human-tropic PERV-free animal.

29. A process for producing a human-tropic PERV-free animal from parental animals at least one of which is human-tropic PERV-positive, comprising:

(a) mating a male and a female animal of the same species wherein at least one of said animals is positive for a human-tropic PERV-locus and thereby producing offspring;

(b) mating a male animal produced in (a) with a female animal produced in (a) wherein at least one of said male and female is positive for a human-tropic PERV-locus and wherein if both are positive for an PERV-locus then said male and female are not each positive for the same human-tropic PERV-locus; and

(c) screening said offspring for the presence of said human-tropic PERV and selecting those offspring that are human-tropic PERV-free thereby producing a human-tropic PERV-free animal.

B1
C1
31. (Once Amended) The process of claim 30 wherein said swine is a miniature swine.

B2
32. (Once Amended) The process of claim 31 wherein said miniature swine is of the D/D haplotype.

B3
37. (Once Amended) The process of claim 36 wherein said miniature swine is of the D/D haplotype.

Sub C1 39. (Once Amended) The process of claim 38 wherein step (a) comprises mating pigs carrying a first set of PERVs and pigs carrying a second set of PERVs wherein each of said first and second sets of PERVs comprises at least one PERV not present in the other set, to produce offspring and step (b) comprises mating offspring of (a) whereby such mating is between a first animal that carries PERVs present in both of said first and second sets of PERVs but no PERV not present in both of said first and second sets of PERVs and a second animal that carries the PERVs present in said first and second sets of PERVs but not present in both of said first and second sets of PERVs.

40. (Once Amended) The process of claim 39 wherein said pigs in step (a) carrying said first set of PERVs are male pigs and said pigs in step (a) carrying said second set of PERVs are female pigs.

41. (Once Amended) The process of claim 39 wherein said pigs in (b) carrying PERV 3, 4 are male pigs and said pigs in step (b) carrying PERV 1, 2 are female pigs first animal is female and said second animal is male.

Please add the following new claims:

45. (New) An animal produced by the process of claim 28.

B5
Sub C1 46. (New) The animal of claim 45 wherein said animal is swine.

47. (New) The animal of claim 46 wherein said swine is a miniature swine.

48. (New) The animal of claim 47 wherein said miniature swine is of the D/D haplotype.